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Amendments to the Claims:

- l. (original) A prosthesis to replace all or a portion of a caudal portion of a natural facet joint on a vertebral body comprising a prosthesis body accommodating fixation to the vertebral body at or near a pedicle and without support by a lamina, and an artificial facet joint structure carried by the prosthesis body adapted and configured to replace all or a portion of a caudal portion of a natural facet joint.
- 2. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint.
- 3. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of a lamina from the vertebral body.
- 4. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least part of a mamillary process from the vertebral body.
- 5. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least part of a transverse process from the vertebral body.
- 6. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least part of a pedicle from the vertebral body.
 - 7. (original) A prosthesis according to claim 1 wherein the artificial facet joint

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structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of the natural articular process from the vertebral body.

- 8. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of the natural articular process and of at least some of a lamina from the vertebral body.
- 9. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of the natural articular process and of at least some of a mamillary process from the vertebral body.
- 10. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of the natural articular process and of at least part of a transverse process from the vertebral body.
- 11. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint after removal of at least some of the natural articular process and of at least part of a pedicle from the vertebral body.
- 12. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint, and wherein the prosthesis body is adapted and configured to replace at least some of a lamina of the vertebral body.

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- 13. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint, and wherein the prosthesis body is adapted and configured to replace at least some of a mamillary process of the vertebral body.
- 14. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to replace a natural articular process of a caudal portion of a natural facet joint, and wherein the prosthesis body is adapted and configured to replace at least some of a pedicle of the vertebral body.
- 15. (original) A prosthesis according to claim 1 wherein the prosthesis body is adapted and configured to replace at least some of a lamina of the vertebral body.
- 16. (original) A prosthesis according to claim 1 wherein the prosthesis body is adapted and configured to replace at least some of a mamillary process of the vertebral body.
- 17. (original) A prosthesis according to claim 1 wherein the prosthesis body is adapted and configured to replace at least some of a pedicle of the vertebral body.
- 18. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is adapted and configured to articulate with a cephalad portion of a facet joint of an adjoining vertebral body.
- 19. (original) A prosthesis according to claim 1 wherein the artificial facet joint structure is made of at least one selected prosthetic material.
- 20. (original) A prosthesis according to claim 1 wherein the selected prosthetic material includes polyethylene, rubber, tantalum, titanium, chrome cobalt, surgical steel, bony in-growth material, ceramic, artificial bone, or a combination thereof.

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- 21. (withdrawn) A method of replacing, on a vertebral body, all or a portion of a caudal portion of a natural facet joint using the prosthesis defined in claim 1 to provide improved support for the spinal column, the method comprising the steps of (i) removing all or a portion of a natural articular process of the caudal portion of the natural facet joint from the vertebral body, and (ii) fixing the prosthesis as defined in claim 1 to the vertebral body to replace the removed portion of the natural articular process with the artificial facet joint structure.
- 22. (withdrawn) A method according to claim 21 further including a step of removing at least some of the lamina from the vertebral body.
- 23. (withdrawn) A method according to claim 21 further including a step of removing at least part of a mamillary process from the vertebral body.
- 24. (withdrawn) A method according to claim 21 further including a step of removing at least part of a transverse process from the vertebral body.
- 25. (withdrawn) A method according to claim 21 further including a step of removing at least part of a pedicle from the vertebral body